Compute This

Description	Students are presented a problem that requires data collection from the internet. Competitors will use software to graph the data collected and answer questions about the topic.
Time Limit	Approximately 50 minutes
Team Size	1 Student
Details	➢ No resource materials or calculators may be used during the competition. ➢ Competitors may use any website to answer the questions provided, but they may not use any form of chat or e-mail. ➢ Graphs can be created using MS Office, Open Office or Google docs. ➢ A computer with access to the internet will be provided. ➢ Competitors will be given a topic area (earthquakes, storms, flooding, west nile virus, ebola, etc.) and a website on which to gather data. ➢ The data that is collected will be organized into a specific type of chart using computer software. Students may be asked to make a line graph, pie chart, bar graph, scatter plot, etc. All axes and legends will need to be labeled. ➢ The problem statement will also contain up to five short answer questions related to the topic provided. These questions may require additional information gathered through an internet search. Teams **must** provide the URL at which each answer was found. ➢ Competitors will be expected to submit both a document file and a spreadsheet file for grading.
Competition Scoring	➢ Scores will be based on the completeness and accuracy of data collected, data presentation (graph) and the short answer questions. ➢ Total Points: 50 (10 for data collection, 30 for graph(s), 10 for short answer questions)
Notebook Requirements	➢ Worksheet from Graphing Practice with initials ➢ Practice Test (2) ➢ Notebook Points: 25
Timeline	Lesson: Practice Tests: Competition Date: _____

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